

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 501.40207VX1	SERIAL NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Hasegawa, et al.	
		FILING DATE October 17, 2003	EXPECTED GROUP 1756

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
US	AA 5,871,869	2/16/1999	Park, et al.			
US	AB 4,301,997	11/24/1981	Berry, et al.			
US	AC 4,684,971	8/4/1987	Payne			
US	AD 5,376,483	12/27/1994	Rolfson			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/Abstracts	
						Yes	No
W	AE 4-136854	5/11/1992	Japan			X	
US	AF 5-289307	11/5/1993	Japan			X	
US	AG 55-22864	2/18/1980	Japan			X	
US	AH 60-85525	5/15/1985	Japan			X	
US	AI 54-83377	7/3/1979	Japan				
US	AJ 5-289307	11/5/1993	Japan			X	
US	AK 56-30129	3/26/1981	Japan			X	
US	AL 59-22050	2/4/1984	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	
	AN	
	AO	
	AP	
	AQ	
	AR	
Examiner	<i>US Hasegawa</i>	Date Considered 9/15/04

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
KS	AA 5,378,585	1/3/1995	Watanabe			
KS	AB 5,389,474	2/14/1995	Iguchi, et al.			
KS	AC 5,418,092	5/23/1995	Okamoto			
KS	AD 5,556,724	9/17/1996	Tarumoto, et al.			
KS	AE 5,741,613	4/21/1998	Moon, et al.			
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WD	AG 5,989,760	11/23/1999	Mangat, et al.			

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KS meyer	9/15/05

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